

# EP 13 927 – SOURCE: DWPI – 2001-03-01

1/1 DWPI - (C) Derwent

Accession Nbr 1980-57300C [33]  
 Title Bimetal cylinder for plastic processing machines - with thin liner applied by cold metal forming

Derwent Classes A32  
 Patent Assignee (INZO ) INTERATOM GMBH  
 Inventors CYRON T

Nbr of Patents 3  
 Nbr of Countries 10

Patent Number EP--13927 A 19800806 DW1980-33 Ger \*  
 DSR: AT BE CH DE FR GB IT LU NL SE  
 EP--13927

B 19830427 DW1983-18 Ger

DSR: AT BE CH DE FR GB IT LU NL SE  
 DE3062851 G 19830601 DW1983-23

Priority Nbr 1979DE-2901794 19790118

Cited Patents DE2241888; DE-496115; FR2242224; GB1107939;  
 GB1387416; US2386747; US3268949; US3416774;  
 US4133460

IPC s B29F-001/02 B29F-003/02

Basic Abstract EP--13927 A  
 Cylinders of plastic processing machines such as extruders or injection moulding machines which suffer premature wear by mechanical abrasion and/or chemical corrosion are made in a bimetal design. A thick-walled outer tube receives a thin-walled inner tube by internal expansion through rolling or explosive metal-forming so that the inner tube is under tangential compressive stress. This provides good heat transfer conditions and facilitates the exchange of the fast wearing liners.

Manual Codes CPI: A11-B07 A11-B12

Update Basic 1980-33

Update Equivalents 1983-18; 1983-23